

**Abstract of the Disclosure**

The present invention provides a ligating band dispenser that is mounted on the distal end of an endoscope. The ligator is configured to deliver multiple ligating bands to a plurality of internal sites in a patient. The ligating bands are carried on a tubular band carrier member that is retractable relative to the distal end of the endoscope in order to preserve visibility through the endoscope during navigation, then extendable to define a suction chamber for tissue aspiration during band delivery. A tubular band driver member is slidable over the band carrier member and engages bands individually to push them off the distal end of the band carrier and onto a selected treatment site. A single-hand operated control handle for selectively operating the extension of the band carrier and movement of the band driver to release a band is also provided and is slidably and removably mounted to the endoscope shaft.